

NCAR/EOL  
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**SUBJECT : Meeting, Wednesday, 17 February 2010**

**PREDICT UPDATE MEETING - February**

**PARTICIPANTS AND DISTRIBUTION**

Name	Affiliation	Name	Affiliation
Aquino, Janine	NCAR	Baeuerle, Brigitte	NCAR
Bell, Michael	NPS	Bradford, Mark	NCAR
Davis, Chris	NCAR	Haggerty, Julie	NCAR
Meitín, José	NCAR	Montgomery, Mike	NPS
Moore, Jim	NCAR	Rockwell, Alison	NCAR
Rogers, Dave	NCAR	Salazar, Vidal	NCAR
Schanot, Allen	NCAR	Slaten, Brandon	NCAR
Stossmeister, Greg	NCAR	Williams, Jody	NCAR

**MEETING SUMMARY AND OVERALL DECISIONS:**

Monthly PREDICT Meeting – update on Operations Plan, upcoming IHC meetings, and January GRIP Science meeting.

**ACTION ITEMS:**

*New:*

- AI.37: Provide list of data products needed for diagnostics and field catalog (Davis, Montgomery)
- AI.38: Provide meeting minutes from GRIP Science meeting in L.A.(Meitín, Montgomery)
- AI.39: Provide list of NASA instrumentation for GRIP (Montgomery)
- AI.41: Confirm the dates for the PRE-GRIP exercise (Baeuerle)
- AI.42: Identify PREDICT forecast team and schedule (science steering committee)
- AI.43: Contact Howard University regarding opportunities in forecast team (Baeuerle)
- AI.44: Provide computer projection equipment and satellite speakers for Operations Center (EOL/CDS)
- AI.45: Contact NOAA AOC regarding authorization/paperwork to log into their chat server (Bradford)
- AI.46: Complete design of PREDICT logo with EOL graphic artist (Davis, Montgomery)

*Previous/In Progress:*

- AI.3: Link PREDICT from EOL front page (Meitín)
- AI.4: Possibility of GISMOS install on GV during for PREDICT (Jensen)
- AI.7: Determine/prioritize data for field catalog inclusion (Stossmeister)
- AI.10: Discuss near real time data needs in more detail and make necessary arrangements (e.g., with NOAA) (Meitín, Jensen)
- AI.13: Arrangements with NOAA to obtain LF data (Meitín)
- AI.14: Post Miami Meeting Summary on PREDICT website (Meitín)
- AI.16: Website link – go to PREDICT page, not OFAP documentation (Meitín)

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- AI.21: EOL to provide needed information to Davis (various)
  - AI.22: coordinate xchat servers among agencies (Bradford)
  - AI.25: send Seajet shipping info to RAF and make sure ISF is in the loop (Baeuerle)
  - AI.27: check on seat availability for second dropsonde operator (Schanot)
  - AI.28: make Flight planning meeting ppt available on PREDICT website (Meitín)
  - AI.31: check on funding status for CVI (Jensen)
  - AI.33: determine what data are missing if Navy products from J. Hawkins cannot be obtained (Davis, Williams)
  - AI.34: Set up Data Display meeting after IHC (Meitín)
  - AI.35: Share Draft Special Funds request with PIs (Baeuerle, Meitín)
- Completed:*
- AI.26: finish and publish site survey report (Meitín)
  - AI.29: put together and E&O outline (Rockwell)
  - AI.30: set up meeting with PREDICT PIs to discuss E&O opportunities (Rockwell)
  - AI.32: arrange for conference call set up at IHC side meeting (Davis to Rob Rogers)
  - AI.23: Invite New York ATC folks to follow up meeting in either Savannah or Tucson (Meitín)
  - AI.36: Distribute draft of Operations Plan to key groups (Davis)
  - AI.40: Provide GV cabin layout and instrument payload (RAF)

**AGENDA ITEM 1: UPCOMING INTERDEPARTMENTAL HURRICANE CONFERENCE (IHC) IN SAVANNAH, GA.**

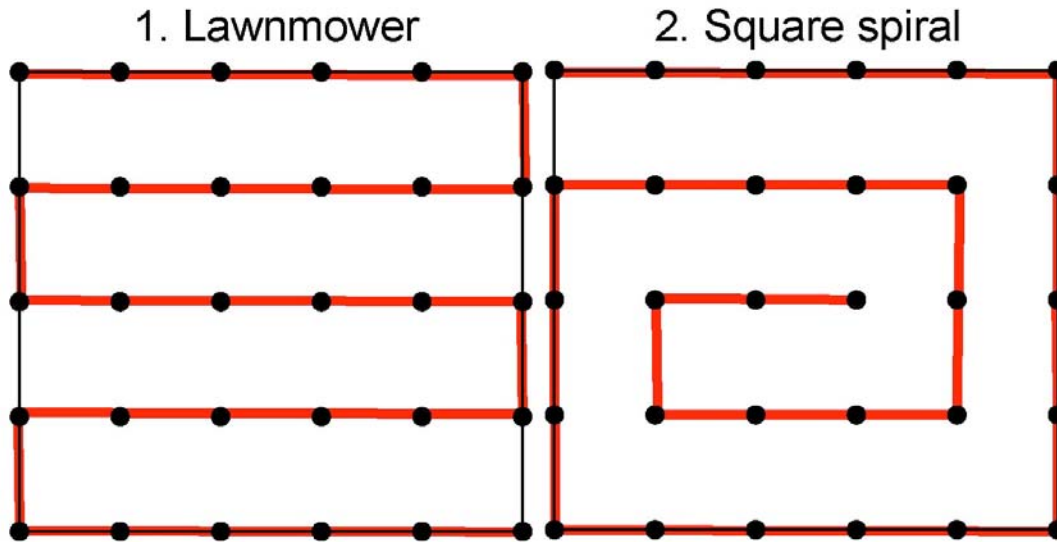
A room has been reserved for IFEX/GRIP/PREDICT aircraft coordination meeting on Monday March 1 from 10am to 1pm. Hank Tracy (FAA Miami) and FAA controllers will attend (AI.23) also Davis, Meitín, Montgomery and S.Thompson. Preliminary agenda is available from Rob Rodgers (IFEX).

A science meeting is scheduled for Tuesday evening from 7-9pm to review results from the Monday meeting, decide forecasting structure, communications, staffing; final agenda is in preparation- Montgomery will be in Miami prior to IHC to finalize.

NASA and NOAA pilot(s) will attend, Steve Thompson (RAF) will represent PREDICT.

**AGENDA ITEM 2: DRAFT OPERATIONS PLAN**

A draft has been sent out to Steering Committee for comments; additional distribution to key groups next (AI.36). A short summary version will be presented at IHC for FAA to comment. Only 2 basic flight patterns are proposed for the GV (lawnmower circuit or square spiral)



procedurally, (1) when does PREDICT have to set Initial Point for the flight? We are assuming 24-36 hrs prior to take-off based on discussion from the first meeting at HRD in Miami; unclear if this is a CARCAH or FAA requirement.

(2) can the plan be updated prior to take-off/filing?

Outline for Operations Plan:

Section 1- Aircraft,

Section 2- Operations Center functions and staff,

Section 3- Data Policy, field catalog, sharing amongst agencies, preliminary list of products

Davis/Montgomery will produce of list of data products needed for diagnostics- send to S Williams and Stossmeister (AI.37)

What data does PREDICT need from other agencies?

Priority #1 : Lower fuselage data (LF) from NOAA P-3

Drosonde data

Unclear what NASA/GRIP instruments are available in real-time. Could use Xchat to discuss interesting features during missions. Montgomery will submit meeting minutes from GRIP Science meeting in Los Angeles (AI.38) and include list of NASA instruments and links to details (AI.39). RAF will provide the same for the GV cabin layout and instruments suite (AI.40). Chris Davis will check with B Smull at NSF on status of funding for GISMOS (AI.4)

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### AGENDA ITEM 3: REPORT ON THE GRIP SCIENCE MEETING

The meeting was attended by Baeuerle, Meitín and Montgomery in late January in Los Angeles. GRIP objectives, mission scientists and instruments were identified. Addition of possible WB-57 flights based from Houston were discussed; also status of GlobalHawk test payload and flight schedule.

GRIP will use forecast products generated by NASA Huntsville team, will follow flight mission using Real-Time Mission Monitor (RTMM) software. PREDICT will need to exchange Google Earth KML files to track all aircraft.

GRIP/IFEX will use GoToMeeting® webconferencing software during campaign.

NASA will contract for GoToMeeting license and test use during PRE-GRIP exercise period (AI.41) Baeuerle will check on dates for PRE-GRIP

DC-8 flight schedule (times) was not finalized, NASA team is aware of GV flight schedule and constraints; will be discussed at IHC.

Forecasting for GRIP is provided by Florida State teams, need additional coordination with IFEX and PREDICT forecaster schedules (TBD at IHC)

PREDICT will need a Sr Forecaster and assistants (post docs, grad students) in St Croix, plus double during the 1-15 Sept period (AI.42). Baeuerle will contact Howard University (AI.43) to make them aware of possible opportunity.

### AGENDA ITEM 4: NSF SPECIAL FUNDS

EOL is finalizing (AI.35) the special funds request for FPS and CDS participation in PREDICT.

### AGENDA ITEM 5: OPEN DISCUSSION- VARIOUS ACTION ITEMS

*Internet Connectivity:* B Slaten has been in contact with the Hotel Buccaneer IT specialist (Marjo Aho) to contract with the hotel's Internet Service Provider for dedicated service to the Operations Center ; available are 2 Mbits and 5 Mbits bandwidth services for 2 months. The hotel has a separate 2 Mbit service for it's guest rooms and public areas.

*Staffing:* EOL will provide

1 ops director/aircraft coordinator, and 2 ops dir/ac coord during the intense period.

2 system admins during all of the campaign except the last 2 weeks.

1 on-site field catalog coordinator during the full campaign

1 admin assistant

*Daily Planning Meeting:* Will be coordinated with IFEX and GRIP via webconferencing (GoToMeeting) at 1600 UTC (local noon). Ops Center conference room will hold ~15 people comfortably. (AI.44) Need to bring projection equipment and satellite speakers.

*XChat:* The GV and the DC-8 run their IRC chatrooms from the same EOL server. The NOAA aircraft and CARCAH run their IRC chatrooms from a server at NOAA/AOC. Technical contact is Sean McMillan. Individuals can either download client application to their computer or use a web-based (mibbit) IRC client. (AI.45) Need to check with Alan Goldstein (AOC) regarding authorization paperwork to log on to NOAA chat server.

### AGENDA ITEM 6: EDUCATION AND OUTREACH

Alison Rockwell (EOL outreach specialist) met with C Davis to outline various education and outreach activities planned for PREDICT; these include public outreach website, social media (through EOL portals), videos of instrumentation & science objectives, St Croix outreach events and printed materials (PREDICT logo is under development(AI.46)).